

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4010 Orifice, 0° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	818	VC	0.4	773	VC	0.2	722	VC	0.1	664	VC	0.1	600	VC	0.1	530	C	0.1
30	768	VC	0.1	734	VC	0.1	694	VC	0.1	647	VC	0.1	594	VC	0.1	534	VC	0.1
40	704	VC	0.1	681	VC	0.1	651	VC	0.1	615	VC	0.1	573	VC	0.1	524	C	0.1
50	625	VC	0.3	613	VC	0.1	594	VC	0.1	569	VC	0.1	537	VC	0.1	499	C	0.1
60	532	VC	0.6	531	C	0.5	523	C	0.3	508	C	0.2	488	C	0.2	460	C	0.1

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4010 Orifice, 15° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	821	VC	0.2	777	VC	0.1	726	VC	0.1	668	VC	0.1	605	VC	0.1	534	VC	0.1
30	775	VC	0.1	742	VC	0.1	702	VC	0.1	655	VC	0.1	602	VC	0.1	542	VC	0.1
40	715	VC	0.1	692	VC	0.1	663	VC	0.1	627	VC	0.1	585	VC	0.1	536	VC	0.1
50	640	VC	0.1	628	VC	0.1	610	VC	0.1	585	VC	0.1	554	VC	0.1	516	C	0.1
60	552	VC	0.4	550	VC	0.3	543	VC	0.2	528	C	0.2	508	C	0.2	481	C	0.2

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4010 Orifice, 30° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	806	VC	0.1	762	VC	0.1	711	VC	0.1	654	VC	0.1	590	VC	0.1	520	C	0.2
30	764	VC	0.1	730	VC	0.1	691	VC	0.1	644	VC	0.1	591	VC	0.1	532	VC	0.1
40	708	VC	0.1	685	VC	0.1	656	VC	0.1	620	VC	0.1	578	VC	0.1	530	C	0.1
50	637	VC	0.1	625	VC	0.1	607	VC	0.1	582	VC	0.1	551	VC	0.1	513	C	0.1
60	552	VC	0.3	551	VC	0.3	544	VC	0.3	530	C	0.3	509	C	0.3	482	C	0.4

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4010 Orifice, 45° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>v0.5</sub>	DSC	%<100															
20	772	VC	0.1	728	VC	0.1	677	VC	0.2	620	VC	0.3	557	VC	0.4	487	M	0.5
30	734	VC	0.1	701	VC	0.1	661	VC	0.1	615	VC	0.1	562	VC	0.1	503	C	0.3
40	682	VC	0.1	659	VC	0.1	630	VC	0.1	595	VC	0.1	553	VC	0.1	505	C	0.2
50	615	VC	0.1	604	VC	0.1	586	VC	0.1	561	VC	0.1	530	C	0.2	492	C	0.4
60	534	VC	0.4	534	VC	0.4	526	C	0.4	512	C	0.5	492	C	0.6	465	M	0.7

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4012 Orifice, 0° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>v0.5</sub>	DSC	%<100															
20	847	VC	0.4	799	VC	0.3	744	VC	0.1	683	VC	0.1	615	VC	0.1	541	VC	0.1
30	802	VC	0.2	764	VC	0.1	720	VC	0.1	670	VC	0.1	613	VC	0.1	549	VC	0.1
40	742	VC	0.1	715	VC	0.1	682	VC	0.1	642	VC	0.1	596	VC	0.1	543	VC	0.1
50	668	VC	0.3	652	VC	0.1	629	VC	0.1	600	VC	0.1	565	VC	0.1	523	C	0.1
60	579	VC	0.7	574	VC	0.5	562	VC	0.4	544	VC	0.3	519	C	0.2	488	C	0.2

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4012 Orifice, 15° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>v0.5</sub>	DSC	%<100															
20	846	VC	0.3	797	VC	0.1	743	VC	0.1	682	VC	0.1	614	VC	0.1	540	VC	0.1
30	804	VC	0.1	767	VC	0.1	723	VC	0.1	673	VC	0.1	616	VC	0.1	553	VC	0.1
40	748	VC	0.1	722	VC	0.1	689	VC	0.1	649	VC	0.1	603	VC	0.1	551	VC	0.1
50	678	VC	0.1	662	VC	0.1	640	VC	0.1	611	VC	0.1	576	VC	0.1	534	VC	0.1
60	593	VC	0.5	588	VC	0.4	577	VC	0.3	559	VC	0.3	535	VC	0.3	504	C	0.3

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4012 Orifice, 30° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	825	VC	0.2	777	VC	0.1	723	VC	0.1	662	VC	0.1	595	VC	0.2	521	C	0.3
30	788	VC	0.1	751	VC	0.1	707	VC	0.1	657	VC	0.1	600	VC	0.1	537	VC	0.1
40	736	VC	0.1	710	VC	0.1	677	VC	0.1	637	VC	0.1	592	VC	0.1	539	VC	0.1
50	670	VC	0.1	654	VC	0.1	632	VC	0.1	604	VC	0.1	568	VC	0.1	527	C	0.2
60	589	VC	0.4	584	VC	0.3	573	VC	0.3	555	VC	0.3	531	VC	0.4	500	C	0.5

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4012 Orifice, 45° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	786	VC	0.2	739	VC	0.2	684	VC	0.3	624	VC	0.4	556	VC	0.5	483	M	0.7
30	753	VC	0.1	716	VC	0.1	672	VC	0.1	622	VC	0.1	566	VC	0.2	503	C	0.4
40	705	VC	0.1	679	VC	0.1	646	VC	0.1	607	VC	0.1	561	VC	0.2	509	C	0.3
50	643	VC	0.1	627	VC	0.1	605	VC	0.1	577	VC	0.2	542	VC	0.3	501	C	0.5
60	566	VC	0.4	562	VC	0.4	550	VC	0.4	533	VC	0.5	509	C	0.7	478	M	0.8

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4015 Orifice, 0° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	892	XC	0.5	838	VC	0.4	778	VC	0.2	711	VC	0.2	637	VC	0.1	557	VC	0.1
30	853	XC	0.2	810	XC	0.1	760	VC	0.1	704	VC	0.1	641	VC	0.1	572	VC	0.1
40	800	VC	0.2	767	VC	0.1	728	VC	0.1	683	VC	0.1	631	VC	0.1	573	VC	0.1
50	732	VC	0.3	710	VC	0.2	682	VC	0.1	648	VC	0.1	606	VC	0.1	559	VC	0.1
60	650	VC	0.7	639	VC	0.5	622	VC	0.4	598	VC	0.3	567	VC	0.3	531	C	0.3

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4015 Orifice, 15° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>v0.5</sub>	DSC	%<100															
20	883	XC	0.3	829	VC	0.2	769	VC	0.2	702	VC	0.2	629	VC	0.2	549	VC	0.3
30	848	XC	0.1	805	VC	0.1	755	VC	0.1	699	VC	0.1	637	VC	0.1	568	VC	0.1
40	798	VC	0.1	766	VC	0.1	727	VC	0.1	682	VC	0.1	631	VC	0.1	572	VC	0.1
50	735	VC	0.1	713	VC	0.1	685	VC	0.1	651	VC	0.1	610	VC	0.1	563	VC	0.1
60	657	VC	0.5	646	VC	0.4	629	VC	0.3	605	VC	0.3	575	VC	0.3	538	VC	0.4

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4015 Orifice, 30° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>v0.5</sub>	DSC	%<100															
20	855	VC	0.2	801	VC	0.2	741	VC	0.2	675	VC	0.3	602	VC	0.3	522	C	0.5
30	824	VC	0.1	781	VC	0.1	732	VC	0.1	676	VC	0.1	614	VC	0.1	545	VC	0.2
40	779	VC	0.1	747	VC	0.1	708	VC	0.1	663	VC	0.1	612	VC	0.1	554	VC	0.1
50	719	VC	0.1	698	VC	0.1	670	VC	0.1	636	VC	0.1	595	VC	0.1	548	VC	0.3
60	645	VC	0.4	634	VC	0.4	617	VC	0.4	594	VC	0.4	564	VC	0.5	528	C	0.6

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4015 Orifice, 45° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>v0.5</sub>	DSC	%<100															
20	808	VC	0.3	755	VC	0.3	695	VC	0.4	629	VC	0.5	556	VC	0.6	477	C	0.8
30	781	VC	0.1	739	VC	0.1	690	VC	0.1	634	VC	0.2	572	VC	0.3	503	C	0.5
40	740	VC	0.1	708	VC	0.1	670	VC	0.1	625	VC	0.1	574	VC	0.3	516	C	0.4
50	684	VC	0.1	663	VC	0.1	636	VC	0.1	602	VC	0.2	561	VC	0.4	514	C	0.6
60	614	VC	0.4	604	VC	0.4	587	VC	0.5	564	VC	0.6	534	VC	0.7	498	C	0.9

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4020 Orifice, 0° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	968	XC	0.5	904	XC	0.4	834	VC	0.3	758	VC	0.3	675	VC	0.3	586	VC	0.3
30	939	XC	0.2	887	XC	0.1	828	XC	0.1	762	VC	0.1	690	VC	0.1	611	VC	0.1
40	897	XC	0.2	855	XC	0.1	806	XC	0.1	752	VC	0.1	690	VC	0.1	623	VC	0.1
50	840	XC	0.3	809	XC	0.2	771	VC	0.1	727	VC	0.1	677	VC	0.1	620	VC	0.1
60	768	VC	0.6	748	VC	0.5	721	VC	0.4	688	VC	0.4	648	VC	0.4	602	VC	0.4

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4020 Orifice, 15° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	946	XC	0.3	883	XC	0.3	813	VC	0.3	737	VC	0.3	654	VC	0.3	565	VC	0.4
30	921	XC	0.1	869	XC	0.1	810	VC	0.1	745	VC	0.1	673	VC	0.1	594	VC	0.1
40	883	XC	0.1	841	XC	0.1	793	VC	0.1	738	VC	0.1	677	VC	0.1	610	VC	0.1
50	830	XC	0.1	799	VC	0.1	762	VC	0.1	718	VC	0.1	667	VC	0.1	611	VC	0.2
60	762	VC	0.4	742	VC	0.4	716	VC	0.3	683	VC	0.3	643	VC	0.4	597	VC	0.5

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4020 Orifice, 30° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	905	VC	0.3	842	VC	0.3	773	VC	0.3	697	VC	0.4	614	VC	0.5	525	C	0.6
30	885	XC	0.1	833	VC	0.1	774	VC	0.1	709	VC	0.1	637	VC	0.2	559	VC	0.3
40	850	VC	0.1	809	VC	0.1	761	VC	0.1	706	VC	0.1	646	VC	0.1	578	VC	0.3
50	801	VC	0.1	771	VC	0.1	733	VC	0.1	690	VC	0.1	640	VC	0.2	583	VC	0.4
60	738	VC	0.3	718	VC	0.3	692	VC	0.4	659	VC	0.4	620	VC	0.5	574	VC	0.7

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4020 Orifice, 45° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	846	VC	0.3	783	VC	0.4	714	VC	0.4	638	VC	0.6	556	VC	0.8	467	M	1.0
30	830	VC	0.1	778	VC	0.1	719	VC	0.1	654	VC	0.3	583	VC	0.5	505	C	0.7
40	799	VC	0.1	758	VC	0.1	710	VC	0.1	656	VC	0.2	595	VC	0.4	528	C	0.6
50	754	VC	0.1	724	VC	0.1	687	VC	0.2	643	VC	0.3	593	VC	0.5	537	VC	0.7
60	695	VC	0.4	675	VC	0.4	649	VC	0.5	616	VC	0.6	577	VC	0.8	531	VC	1.0

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4025 Orifice, 0° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	1044	XC	0.5	971	XC	0.4	892	XC	0.3	806	VC	0.3	714	VC	0.3	615	VC	0.4
30	1027	XC	0.2	964	XC	0.1	896	XC	0.1	821	VC	0.1	739	VC	0.1	651	VC	0.1
40	995	XC	0.1	943	XC	0.1	886	XC	0.1	821	XC	0.1	751	VC	0.1	673	VC	0.1
50	948	XC	0.2	908	XC	0.1	861	XC	0.1	807	XC	0.1	748	VC	0.1	681	VC	0.1
60	888	XC	0.5	858	XC	0.4	822	XC	0.3	779	VC	0.3	730	VC	0.3	674	VC	0.4

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4025 Orifice, 15° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	1010	XC	0.3	937	XC	0.2	858	VC	0.2	772	VC	0.3	680	VC	0.4	582	VC	0.5
30	996	XC	0.1	934	XC	0.1	866	XC	0.1	791	VC	0.1	710	VC	0.1	622	VC	0.2
40	968	XC	0.1	917	XC	0.1	860	XC	0.1	795	VC	0.1	725	VC	0.1	648	VC	0.1
50	926	XC	0.1	886	XC	0.1	839	XC	0.1	786	VC	0.1	726	VC	0.1	660	VC	0.2
60	869	XC	0.3	840	XC	0.2	804	VC	0.2	761	VC	0.3	712	VC	0.4	657	VC	0.5

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4025 Orifice, 30° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	956	XC	0.2	884	VC	0.2	805	VC	0.3	720	VC	0.4	628	VC	0.5	529	C	0.7
30	947	XC	0.1	885	VC	0.1	817	VC	0.1	742	VC	0.1	661	VC	0.2	574	VC	0.4
40	923	XC	0.1	872	XC	0.1	815	VC	0.1	751	VC	0.1	681	VC	0.1	604	VC	0.3
50	885	XC	0.1	845	VC	0.1	798	VC	0.1	745	VC	0.1	685	VC	0.2	619	VC	0.4
60	832	VC	0.2	803	VC	0.2	767	VC	0.3	725	VC	0.4	676	VC	0.5	621	VC	0.7

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4025 Orifice, 45° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	885	VC	0.2	812	VC	0.3	734	VC	0.4	648	VC	0.6	557	VC	0.8	459	M	1.0
30	879	VC	0.1	818	VC	0.1	750	VC	0.1	675	VC	0.3	594	VC	0.5	507	C	0.7
40	859	VC	0.1	809	VC	0.1	751	VC	0.1	688	VC	0.2	618	VC	0.4	541	VC	0.6
50	825	VC	0.1	785	VC	0.1	739	VC	0.1	686	VC	0.3	626	VC	0.5	561	VC	0.7
60	776	VC	0.2	747	VC	0.3	712	VC	0.4	670	VC	0.6	621	VC	0.8	566	VC	1.0

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4030 Orifice, 0° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>V0.5</sub>	DSC	%<100															
20	1122	XC	0.3	1039	XC	0.2	950	XC	0.2	855	VC	0.2	754	VC	0.3	645	VC	0.3
30	1115	XC	0.1	1043	XC	0.1	965	XC	0.1	881	XC	0.1	790	VC	0.1	692	VC	0.1
40	1094	XC	0.1	1033	XC	0.1	966	XC	0.1	892	XC	0.1	812	VC	0.1	725	VC	0.1
50	1058	XC	0.1	1008	XC	0.1	952	XC	0.1	889	XC	0.1	820	VC	0.1	744	VC	0.1
60	1008	XC	0.2	969	XC	0.2	923	XC	0.1	871	XC	0.1	813	VC	0.2	748	VC	0.3

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4030 Orifice, 15° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>v0.5</sub>	DSC	%<100															
20	1074	XC	0.1	992	XC	0.1	904	VC	0.1	809	VC	0.2	707	VC	0.3	599	VC	0.5
30	1072	XC	0.1	1000	XC	0.1	923	XC	0.1	838	VC	0.1	748	VC	0.1	650	VC	0.1
40	1054	XC	0.1	994	XC	0.1	927	XC	0.1	854	VC	0.1	774	VC	0.1	687	VC	0.1
50	1023	XC	0.1	973	XC	0.1	917	XC	0.1	854	XC	0.1	785	VC	0.1	710	VC	0.1
60	977	XC	0.1	938	XC	0.1	893	XC	0.1	841	VC	0.1	782	VC	0.2	718	VC	0.4

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4030 Orifice, 30° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>v0.5</sub>	DSC	%<100															
20	1009	VC	0.1	927	VC	0.1	838	VC	0.2	744	VC	0.3	642	VC	0.5	534	C	0.7
30	1010	XC	0.1	939	VC	0.1	861	VC	0.1	777	VC	0.1	687	VC	0.2	590	VC	0.4
40	997	XC	0.1	936	XC	0.1	870	VC	0.1	796	VC	0.1	717	VC	0.1	630	VC	0.2
50	969	XC	0.1	920	XC	0.1	864	VC	0.1	801	VC	0.1	732	VC	0.1	657	VC	0.3
60	927	XC	0.1	889	VC	0.1	843	VC	0.1	792	VC	0.2	733	VC	0.4	669	VC	0.6

**40 DEGREE FLAT FAN NOZZLE (LARGE) 4030 Orifice, 45° Angle ROTARY-WING**

PSI	Airspeed, mph																	
	30			40			50			60			70			80		
	D <sub>v0.5</sub>	DSC	%<100															
20	924	VC	0.1	843	VC	0.2	754	VC	0.4	660	VC	0.5	559	C	0.8	451	M	1.0
30	929	VC	0.1	859	VC	0.1	781	VC	0.1	697	VC	0.2	607	VC	0.4	510	C	0.7
40	920	VC	0.1	860	VC	0.1	794	VC	0.1	720	VC	0.1	641	VC	0.3	555	VC	0.6
50	897	VC	0.1	847	VC	0.1	792	VC	0.1	729	VC	0.1	661	VC	0.4	585	VC	0.6
60	859	VC	0.1	820	VC	0.1	775	VC	0.2	724	VC	0.4	666	VC	0.6	601	VC	0.9